WUE1500

802.11b Wireless &

Fast Ethernet USB Adapter

The 802.11b Wireless & Fast Ethernet USB Adapter is the multifunction device for your wireless network applications and based on the IEEE 802.11b standard offering a data rate of 11Mbps i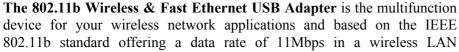n a wireless LAN environment and 10/100Mbps traditional network. It is a high-speed wireless network device that plugs into your notebook or desktop PC and accesses to the LAN or peer-to-peer networking easily without wires or cables. Besides, this device allows you to connect the traditional 10Mbps/100Mbps network via the RJ-45 port. Whether you're at your desk or in the boardroom, it allows you to share printers, files, and other network resources via wireless LAN or Fast Ethernet network.

The USB adapter designed to be inserted into a USB type A port of a laptop or desktop computer creating a wireless or LAN workstation. With the tightly integrated wireless LAN and LAN networking, the users do not need to juggle multiple cards for concurrent use of wireless LAN and LAN, it is greatly improvement of the wireless and LAN and gets the real convenience.

FEATURES

- Complies with IEEE802.11b standard for 2.4GHz Wireless LAN
- Dual-speed RJ-45 port auto-negotiation 10BaseT/100BaseTX
- USB 1.1 compliant
- USB Plug & Play
- Interoperable with existing network infrastructure
- Secure information transmission
- Freedom to roam while staying connected
- Compatible with special wireless products and services
- Up to 11Mbps data rate
- Support operating systems such as Window 98SE/2000/ME/XP
- High-power Bus-power no external power is required
- Lower power consumption
- Easy of Installation

SPECIFICATIONS

Wireless Specification	
Standard	IEEE 802.11b
Data Rate	1,2,5.5, 11 Mbps
Antenna	External Antenna, rotating angle 0° to 90°
Frequency Range	2.412GHz-2.4835GHz
Number of Selectable Channels	11 Channels (USA, Canada) 13 Channels (Europe) 14 channels (Japan)
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Security	0/64/128 bit WEP
Spreading	11 chip Barker sequence

Bit Error rate	Better than 10^{-5}
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
LAN Specification	
Standard	IEEE 802.3 for 10BaseT Ethernet IEEE 802.3u for 100BaseTX Ethernet
Ports	1 RJ-45 port; 1 USB B type port
Data Rate	10/100Mbps for Ethernet data transfer

LED Indicators

- Ethernet: Green, ON
- Power: Green, ON
- WLAN: Green, ON

Power Requirement

- Operating Voltage: 5V DC
- TX consumption: 442mA (Max)
- RX consumption: 261mA (Max)

Physical specification

- Weight: 450 g
- Dimension: 91.5(L) x 64(W) x 24.2(H) mm

Supported OS

- Windows 98SE
- Windows ME
- Windows 2000
- Windows XP

Environment specification

- Operating Temperature: 0~60℃ ambient temperature
- Storage Temperature: -20~75℃ ambient temperature
- Operating humidity: 0~95% maximum (non-condensing)
- Storage humidity: 0~95%% maximum (non-condensing)

EMI Certification

- FCC Part15 in US
- EN300328 and EN300826 (EN301489-17) in Europe